

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 09987795 on September 25, 2003

56	701/208	(13 OR, 43 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200	NAVIGATION
	701/207	.Employing position determining equipment
	701/208	..For use in a map data base system
51	340/990	(0 OR, 51 XR)
	Class 340 :	COMMUNICATIONS: ELECTRICAL
	340/988	VEHICLE POSITION INDICATION
	340/989	.At remote location
	340/990	..With map display
45	701/213	(13 OR, 32 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200	NAVIGATION
	701/207	.Employing position determining equipment
	701/213	..Using Global Positioning System (GPS)
38	340/988	(5 OR, 33 XR)
	Class 340 :	COMMUNICATIONS: ELECTRICAL
	340/988	VEHICLE POSITION INDICATION
35	701/209	(10 OR, 25 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200	NAVIGATION
	701/207	.Employing position determining equipment
	701/208	..For use in a map data base system
	701/209	...Including route searching or determining device
32	701/200	(9 OR, 23 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200	NAVIGATION
31	701/207	(13 OR, 18 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200	NAVIGATION
	701/207	.Employing position determining equipment
29	701/211	(6 OR, 23 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200	NAVIGATION
	701/207	.Employing position determining equipment
	701/208	..For use in a map data base system
	701/211	...Having audio or visual route guidance
24	701/210	(7 OR, 17 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/200 NAVIGATION

701/207 .Employing position determining equipment

701/208 ..For use in a map data base system

701/209 ...Including route searching or determining
device

701/210Route correction, modification, or
verification

19 701/201 (8 OR, 11 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/200 NAVIGATION

701/201 .Determination of travel data based on the
start point and destination point

14 342/357.06 (3 OR, 11 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/352 .Including a satellite

342/357.01 ..With position indicating

342/357.06 ...Using Global Positioning Satellite (GPS or
Glonass)

13 342/457 (2 OR, 11 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/450 .Position indicating (e.g., triangulation)

342/457 ..Land vehicle location (e.g., bus, police car)

13 701/212 (1 OR, 12 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/200 NAVIGATION

701/207 .Employing position determining equipment

701/208 ..For use in a map data base system

701/212 ...Having variable map scale

12 342/357.13 (1 OR, 11 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/352 .Including a satellite

342/357.01 ..With position indicating

342/357.06 ...Using Global Positioning Satellite (GPS or
Glonass)

342/357.13With storage device (i.e., map or database)

11 342/357.08 (5 OR, 6 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or Glonass)
 342/357.08Determining relative position (e.g., distance or direction)

11 342/357.09 (2 OR, 9 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or Glonass)
 342/357.09With transmission of location-indicative information to or from a remote station

10 73/178R (1 OR, 9 XR)
 Class 073 : MEASURING AND TESTING
 73/178R NAVIGATION

10 340/991 (1 OR, 9 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/989 .At remote location
 340/991 ..Position indication transmitted by vehicle after receipt of information from local station

10 340/995.19 (0 OR, 10 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995.1 .Map display
 340/995.19 ..Route determination and display on map

10 342/357.1 (3 OR, 7 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or Glonass)
 342/357.1Combined with telecommunication

10 701/214 (3 OR, 7 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
 701/200 NAVIGATION
 701/207 .Employing position determining equipment
 701/213 ..Using Global Positioning System (GPS)
 701/214 ...Means to improve accuracy of position or location

9 342/357.01 (1 OR, 8 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES

	342/350	DIRECTIVE
	342/352	.Including a satellite
	342/357.01	..With position indicating
8	701/117	(5 OR, 3 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/1	VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
	701/117	.Traffic analysis or control of surface vehicle
7	340/989	(1 OR, 6 XR)
	Class 340 :	COMMUNICATIONS: ELECTRICAL
	340/988	VEHICLE POSITION INDICATION
	340/989	.At remote location
7	340/995.18	(1 OR, 6 XR)
	Class 340 :	COMMUNICATIONS: ELECTRICAL
	340/988	VEHICLE POSITION INDICATION
	340/995.1	.Map display
	340/995.14	..Manipulation of map display or data
	340/995.18	...Particular data storage
7	340/995.21	(1 OR, 6 XR)
	Class 340 :	COMMUNICATIONS: ELECTRICAL
	340/988	VEHICLE POSITION INDICATION
	340/995.1	.Map display
	340/995.19	..Route determination and display on map
	340/995.2	...Intersection turn guidance
	340/995.21Off course, route re-search
6	340/825.49	(0 OR, 6 XR)
	Class 340 :	COMMUNICATIONS: ELECTRICAL
	340/825	SELECTIVE
	340/825.36	.Having indication or alarm (e.g., location indication)
	340/825.49	..Location indication
6	340/995.23	(0 OR, 6 XR)
	Class 340 :	COMMUNICATIONS: ELECTRICAL
	340/988	VEHICLE POSITION INDICATION
	340/995.1	.Map display
	340/995.19	..Route determination and display on map
	340/995.2	...Intersection turn guidance
	340/995.21Off course, route re-search
	340/995.23Specifying particular start/destination
6	342/44	(0 OR, 6 XR)
	Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/42	RADAR TRANSPONDER SYSTEM
	342/44	.Unique identity
6	701/202	(3 OR, 3 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION

	701/200	NAVIGATION
	701/201	.Determination of travel data based on the start point and destination point
	701/202	..Route pre-planning
6	701/206	(0 OR, 6 XR)
	Class 701	: DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200	NAVIGATION
	701/206	.Employing way point navigation
6	701/35	(0 OR, 6 XR)
	Class 701	: DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/1	VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
	701/29	.Vehicle diagnosis or maintenance indication
	701/35	..With data recording device
5	340/995.13	(2 OR, 3 XR)
	Class 340	: COMMUNICATIONS: ELECTRICAL
	340/988	VEHICLE POSITION INDICATION
	340/995.1	.Map display
	340/995.12	..Transmission of map data to vehicle
	340/995.13	...Traffic information
5	340/995.16	(3 OR, 2 XR)
	Class 340	: COMMUNICATIONS: ELECTRICAL
	340/988	VEHICLE POSITION INDICATION
	340/995.1	.Map display
	340/995.14	..Manipulation of map display or data
	340/995.15	...Having adjustable map (e.g., scalable, etc.)
	340/995.16Input device
5	360/77.08	(2 OR, 3 XR)
	Class 360	: DYNAMIC MAGNETIC INFORMATION STORAGE OR RETRIEVAL
	360/69	AUTOMATIC CONTROL OF A RECORDER MECHANISM
	360/75	.Controlling the head
	360/77.01	..Track centering
	360/77.02	...Rotary carrier
	360/77.07By tracking signal recorded on or immediately beneath surface
	360/77.08Distinct servo sector
5	701/1	(1 OR, 4 XR)
	Class 701	: DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/1	VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
5	701/203	(2 OR, 3 XR)
	Class 701	: DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200	NAVIGATION
	701/201	.Determination of travel data based on the

		start point and destination point
	701/203	..Great circle route
5	701/215	(0 OR, 5 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200	NAVIGATION
	701/207	.Employing position determining equipment
	701/213	..Using Global Positioning System (GPS)
	701/214	...Means to improve accuracy of position or location
	701/215Having multiple GPS antennas or receivers (e.g., differential GPS)
5	701/217	(0 OR, 5 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200	NAVIGATION
	701/207	.Employing position determining equipment
	701/217	..Using dead-reckoning apparatus
5	701/25	(1 OR, 4 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/1	VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
	701/23	.Automatic route guidance vehicle
	701/25	..Storage or planning of route information
5	701/301	(2 OR, 3 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/300	RELATIVE LOCATION
	701/301	.Collision avoidance
4	340/10.41	(2 OR, 2 XR)
	Class 340 :	COMMUNICATIONS: ELECTRICAL
	340/825	SELECTIVE
	340/10.1	.Interrogation response
	340/10.4	..Response signal detail
	340/10.41	...Combination response
4	340/905	(1 OR, 3 XR)
	Class 340 :	COMMUNICATIONS: ELECTRICAL
	340/901	EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR OR ALARM
	340/905	.Highway information (e.g., weather, speed limits, etc.)
4	340/994	(1 OR, 3 XR)
	Class 340 :	COMMUNICATIONS: ELECTRICAL
	340/988	VEHICLE POSITION INDICATION
	340/989	.At remote location
	340/994	..Vehicle's arrival or expected arrival at remote location along route indicated at that remote location (e.g., bus arrival systems)

4 340/995.14 (2 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995.1 .Map display
 340/995.14 ..Manipulation of map display or data

4 340/995.2 (0 OR, 4 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995.1 .Map display
 340/995.19 ..Route determination and display on map
 340/995.2 ...Intersection turn guidance

4 340/995.27 (1 OR, 3 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995.1 .Map display
 340/995.27 ..Including particular display feature (e.g.,
 indication of direction, mileage, road type, etc.)

4 342/357.07 (3 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or
 Glonass)
 342/357.07 Tracking or monitoring (i.e., lost or
 stolen vehicles)

4 342/357.14 (1 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or
 Glonass)
 342/357.14 Combined with secondary navigation system
 (i.e., LORAN, gyroscope, inertial, dead reckoning,
 etc.)

4 342/36 (1 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/36 AIR TRAFFIC CONTROL

4 342/450 (0 OR, 4 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/450 .Position indicating (e.g., triangulation)

4 342/451 (1 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES

	342/350	DIRECTIVE
	342/450	.Position indicating (e.g., triangulation)
	342/451	..By computer
4	360/77.04	(1 OR, 3 XR)
	Class 360	: DYNAMIC MAGNETIC INFORMATION STORAGE OR RETRIEVAL
	360/69	AUTOMATIC CONTROL OF A RECORDER MECHANISM
	360/75	.Controlling the head
	360/77.01	..Track centering
	360/77.02	...Rotary carrier
	360/77.04By memory storage of repeatable error or correction
4	455/456.1	(1 OR, 3 XR)
	Class 455	: TELECOMMUNICATIONS
	455/403	RADIOTELEPHONE SYSTEM
	455/422.1	.Zoned or cellular telephone system
	455/456.1	..Location monitoring
4	455/457	(2 OR, 2 XR)
	Class 455	: TELECOMMUNICATIONS
	455/403	RADIOTELEPHONE SYSTEM
	455/422.1	.Zoned or cellular telephone system
	455/456.1	..Location monitoring
	455/457	...Location display
4	701/204	(1 OR, 3 XR)
	Class 701	: DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200	NAVIGATION
	701/204	.Determination of E.T.A.
4	701/216	(3 OR, 1 XR)
	Class 701	: DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200	NAVIGATION
	701/207	.Employing position determining equipment
	701/213	..Using Global Positioning System (GPS)
	701/214	...Means to improve accuracy of position or location
	701/216Having an self-contained position computing means (e.g., dead reckoning)
4	701/36	(0 OR, 4 XR)
	Class 701	: DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/1	VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
	701/36	.Vehicle subsystem or accessory control
3	116/1	(0 OR, 3 XR)
	Class 116	: SIGNALS AND INDICATORS
	116/1	MISCELLANEOUS
3	235/385	(0 OR, 3 XR)
	Class 235	: REGISTERS

235/375 SYSTEMS CONTROLLED BY DATA BEARING RECORDS
235/385 .Inventory

3 280/1 (0 OR, 3 XR)
Class 280 : LAND VEHICLES
280/1 MISCELLANEOUS

3 318/587 (2 OR, 1 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/560 POSITIONAL SERVO SYSTEMS (E.G.,
SERVOMECHANISMS)
318/580 .Vehicular guidance systems with single axis
control
318/587 ..Land vehicles

3 340/10.1 (1 OR, 2 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/825 SELECTIVE
340/10.1 .Interrogation response

3 340/425.5 (1 OR, 2 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/425.5 LAND VEHICLE ALARMS OR INDICATORS

3 340/539.1 (0 OR, 3 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/500 CONDITION RESPONSIVE INDICATING SYSTEM
340/531 .With particular coupling link
340/539.1 ..Radio

3 340/539.13 (0 OR, 3 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/500 CONDITION RESPONSIVE INDICATING SYSTEM
340/531 .With particular coupling link
340/539.1 ..Radio
340/539.11 ...Including personal portable device
340/539.13 Tracking location (e.g., GPS, etc.)

3 340/993 (0 OR, 3 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/988 VEHICLE POSITION INDICATION
340/989 .At remote location
340/993 ..Position indication transmitted by local
station to remote location

3 340/995.1 (0 OR, 3 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/988 VEHICLE POSITION INDICATION
340/995.1 .Map display

3 340/995.12 (2 OR, 1 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/988 VEHICLE POSITION INDICATION
340/995.1 .Map display
340/995.12 ..Transmission of map data to vehicle

3 340/995.22 (0 OR, 3 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995.1 .Map display
 340/995.19 ..Route determination and display on map
 340/995.2 ...Intersection turn guidance
 340/995.21Off course, route re-search
 340/995.22Pattern matching

3 340/995.24 (0 OR, 3 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995.1 .Map display
 340/995.24 ..Including landmark information

3 340/995.26 (0 OR, 3 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995.1 .Map display
 340/995.26 ..Including particular display structure (e.g.,
 detachable, rolling map sheet, etc.)

3 342/29 (1 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/29 AIRCRAFT COLLISION AVOIDANCE SYSTEM (CAS)

3 342/357.02 (3 OR, 0 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.02 ...With accuracy enhancing

3 342/357.05 (1 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.05 ...Using Doppler frequency shift

3 342/42 (1 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/42 RADAR TRANSPONDER SYSTEM

3 342/455 (0 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/450 .Position indicating (e.g., triangulation)
 342/454 ..Traffic
 342/455 ...Having collision avoidance

3 342/51 (1 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS

AND DEVICES

342/42 RADAR TRANSPONDER SYSTEM
342/51 .Transponder only

3 358/402 (0 OR, 3 XR)
Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING

358/400 FACSIMILE
358/402 .Electronic mailbox

3 360/48 (2 OR, 1 XR)
Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
RETRIEVAL
360/39 GENERAL PROCESSING OF A DIGITAL SIGNAL
360/48 .Data in specific format

3 455/12.1 (1 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/7 CARRIER WAVE REPEATER OR RELAY SYSTEM (I.E.,
RETRANSMISSION OF SAME INFORMATION)
455/11.1 .Portable or mobile repeater
455/12.1 ..Space satellite

3 455/557 (2 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,
TRANSCIVER)
455/550.1 .Radiotelephone equipment detail
455/557 ..Interface attached device (e.g., interface
with modem, facsimile, computer, etc.)

3 700/230 (0 OR, 3 XR)
Class 700 : DATA PROCESSING: GENERIC CONTROL SYSTEMS OR
SPECIFIC APPLICATIONS
700/90 SPECIFIC APPLICATION, APPARATUS OR PROCESS
700/213 .Article handling
700/228 ..Having particular transport between article
handling stations
700/230 ...Having a conveyor

3 701/205 (0 OR, 3 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/205 .Determination of along-track or cross-track
deviations

3 701/221 (0 OR, 3 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment
701/220 ..Using inertial sensor
701/221 ...With correction by noninertial sensor

3 701/24 (0 OR, 3 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND

RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION

701/23 .Automatic route guidance vehicle

701/24 ..On-board computer interact with a host
computer

3 704/270 (1 OR, 2 XR)

Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSION/DECOMPRESSION

704/200 SPEECH SIGNAL PROCESSING

704/270 .Application

3 707/2 (2 OR, 1 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT OR DATA STRUCTURES

707/1 DATABASE OR FILE ACCESSING

707/2 .Access augmentation or optimizing

2 198/349.95 (0 OR, 2 XR)

Class 198 : CONVEYORS: POWER-DRIVEN

198/348 CONVEYOR ARRANGEMENT FOR SELECTING AMONG PLURAL
SOURCES OR DESTINATIONS

198/349 .With selection responsive to means containing
or introducing changeable operating instructions

198/349.5 ..Using central memory to store code until
article is discharged

198/349.6 ...Memory stores plural sources or destinations

198/349.95 Conveyor detector indexes code

2 198/465.4 (0 OR, 2 XR)

Class 198 : CONVEYORS: POWER-DRIVEN

198/463.1 CONVEYOR SYSTEM FOR MOVING A SPECIFIC LOAD AS A
SEPARATE UNIT

198/465.1 .System includes a load supported by a conveyor
portion which is separable from the conveyor drive

198/465.4 ..Wherein the conveyor portion supports the
load below the drive

2 209/3.3 (2 OR, 0 XR)

Class 209 : CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS

209/3 PRECEDENT PREPARATION OF ITEMS OR MATERIALS TO
FACILITATE SEPARATION

209/3.1 .Sorting special items or sorting by methods
and apparatus includible in subclasses 509 through

707 209/3.3 ..Marking or tagging item

2 209/564 (0 OR, 2 XR)

Class 209 : CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS

209/509 SORTING SPECIAL ITEMS, AND CERTAIN METHODS AND
APPARATUS (E.G., POCKET TYPE AND LIGHT
RESPONSIVE SORTING,

ETC.) FOR SORTING ANY ITEMS

209/552 .Condition responsive means controls separating means

209/559 ..Means (e.g., information storing device, timer, delaying relay, etc.) delaying actuation of separating means

209/562 ...Magnetic

209/563Electrical

209/564Electronic

2 209/583 (0 OR, 2 XR)
Class 209 : CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS

209/509 SORTING SPECIAL ITEMS, AND CERTAIN METHODS AND APPARATUS (E.G., POCKET TYPE AND LIGHT RESPONSIVE

SORTING,

ETC.) FOR SORTING ANY ITEMS

209/552 .Condition responsive means controls separating means

209/576 ..Sensing radiant energy reflected, absorbed, emitted, or obstructed by item or adjunct thereof

209/577 ...Infrared, visible light, or ultraviolet

209/583Reading indicia

2 209/937 (0 OR, 2 XR)
Class 209 : CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS

209/937 LAUNDRY SORTING

2 340/10.42 (0 OR, 2 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL

340/825 SELECTIVE

340/10.1 .Interrogation response

340/10.4 ..Response signal detail

340/10.42 ...Identification only

2 340/3.51 (0 OR, 2 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL

340/825 SELECTIVE

340/3.1 .Monitoring in addition to control (e.g., supervisory)

340/3.5 ..Including addressing

340/3.51 ...Polling or roll call

2 340/5.5 (0 OR, 2 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL

340/825 SELECTIVE

340/5.1 .Intelligence comparison for controlling

340/5.2 ..Authorization control (e.g., entry into an area)

340/5.5 ...Input from central location for plural controlled devices

2 340/573.4 (2 OR, 0 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL

340/500 CONDITION RESPONSIVE INDICATING SYSTEM

340/540 .Specific condition

340/573.1 ..Human or animal
 340/573.4 ...House arrest system, wandering, or wrong
 place

2 340/693.5 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/693.5 .Specified housing

2 340/947 (1 OR, 1 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/945 AIRCRAFT ALARM OR INDICATING SYSTEMS
 340/947 .Land-based landing guidance

2 340/961 (2 OR, 0 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/945 AIRCRAFT ALARM OR INDICATING SYSTEMS
 340/961 .Potential collision with other aircraft

2 340/979 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/945 AIRCRAFT ALARM OR INDICATING SYSTEMS
 340/971 .Nonalarm flight indicator
 340/979 ..Heading (includes deviation from desired
 course)

2 340/992 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/989 .At remote location
 340/992 ..Position indication transmitted at periodic
 intervals (e.g., distance travelled)

2 340/995.17 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995.1 .Map display
 340/995.14 ..Manipulation of map display or data
 340/995.15 ...Having adjustable map (e.g., scalable, etc.)
 340/995.17 Display change based on vehicle position

2 340/996 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/996 .Prerecorded message describes position

2 342/147 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/147 DETERMINING DIRECTION

2 342/352 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite

2 342/357.16 (1 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/352 .Including a satellite
342/357.01 ..With position indicating
342/357.16 ...Using low Earth orbit (telecommunication)
satellites

2 342/419 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/385 .Beacon or receiver
342/417 ..Direction-finding receiver only
342/419 ...Portable

2 342/452 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/450 .Position indicating (e.g., triangulation)
342/452 ..By plotting table

2 342/454 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/450 .Position indicating (e.g., triangulation)
342/454 ..Traffic

2 342/456 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/450 .Position indicating (e.g., triangulation)
342/454 ..Traffic
342/456 ...Having traffic control

2 342/49 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/42 RADAR TRANSPONDER SYSTEM
342/46 .Navigational
342/47 ..Distance measuring equipment (DME)
342/49 ...With VOR/TACAN

2 342/50 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/42 RADAR TRANSPONDER SYSTEM
342/50 .With Telemetry

2 345/531 (1 OR, 1 XR)
Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY

SYSTEMS

- 345/530 COMPUTER GRAPHICS DISPLAY MEMORY SYSTEM
- 345/531 .Graphic display memory controller

- 2 345/557 (0 OR, 2 XR)
 - Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY
SYSTEMS
 - 345/538 ...Data transfer between system memory display
memory
 - 345/557 .Cache

- 2 360/75 (1 OR, 1 XR)
 - Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
RETRIEVAL
 - 360/69 AUTOMATIC CONTROL OF A RECORDER MECHANISM
 - 360/75 .Controlling the head

- 2 360/78.14 (0 OR, 2 XR)
 - Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
RETRIEVAL
 - 360/69 AUTOMATIC CONTROL OF A RECORDER MECHANISM
 - 360/75 .Controlling the head
 - 360/78.01 ..Track changing
 - 360/78.04 ...For rotary carrier (e.g., disc)
 - 360/78.14By recorded servo reference or address
signal

- 2 367/6 (2 OR, 0 XR)
 - Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
 - 367/2 TRANSPONDERS
 - 367/6 .With plurality of transponders

- 2 370/389 (1 OR, 1 XR)
 - Class 370 : MULTIPLEX COMMUNICATIONS
 - 370/351 PATHFINDING OR ROUTING
 - 370/389 .Switching a message which includes an address
header

- 2 370/409 (0 OR, 2 XR)
 - Class 370 : MULTIPLEX COMMUNICATIONS
 - 370/351 PATHFINDING OR ROUTING
 - 370/389 .Switching a message which includes an address
header
 - 370/400 ..Having a plurality of nodes performing
distributed switching
 - 370/409 ...Employing logical addressing for routing
(e.g., VP or VC)

- 2 370/471 (0 OR, 2 XR)
 - Class 370 : MULTIPLEX COMMUNICATIONS
 - 370/464 COMMUNICATION TECHNIQUES FOR INFORMATION
CARRIED IN PLURAL CHANNELS
 - 370/465 .Adaptive
 - 370/470 ..Frame length
 - 370/471 ...Message having an address header

2 370/493 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having
multiple packets
370/480 .Combining or distributing information via
frequency channels
370/493 . ..Combined voice and data transmission

2 370/494 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having
multiple packets
370/480 .Combining or distributing information via
frequency channels
370/493 ..Combined voice and data transmission
370/494 ...Data over voice

2 370/495 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having
multiple packets
370/480 .Combining or distributing information via
frequency channels
370/493 ..Combined voice and data transmission
370/495 ...Data under voice

2 370/515 (2 OR, 0 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having
multiple packets
370/498 .Combining or distributing information via time
channels
370/503 ..Synchronizing
370/509 ...Using synchronization information contained
in a frame
370/514Unique synchronization word or unique bit
sequence
370/515Pseudo-random

2 379/38 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/37 EMERGENCY OR ALARM COMMUNICATIONS (E.G.,
WATCHMAN'S CIRCUIT)
379/38 .Personal monitoring (e.g., for the ill or
infirm)

2 455/456.2 (2 OR, 0 XR)
Class 455 : TELECOMMUNICATIONS
455/403 RADIOTELEPHONE SYSTEM
455/422.1 .Zoned or cellular telephone system
455/456.1 ..Location monitoring
455/456.2 ...Based on request signal

2 455/569.2 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,

TRANSCEIVER)

- 455/550.1 .Radiotelephone equipment detail
- 455/569.1 ..Hands-free or loudspeaking arrangement
- 455/569.2 ...In vehicle
- 2 455/99 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/91 TRANSMITTER
 - 455/95 .Mobile or portable
 - 455/99 ..With vehicle
- 2 700/224 (0 OR, 2 XR)
 - Class 700 : DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS
 - 700/90 SPECIFIC APPLICATION, APPARATUS OR PROCESS
 - 700/213 .Article handling
 - 700/219 ..Associating or disassociating plural articles
 - 700/223 ...Collating or sorting
 - 700/224Having an identification code
- 2 701/120 (1 OR, 1 XR)
 - Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
 - 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
 - 701/120 .Traffic analysis or control of aircraft
- 2 701/14 (0 OR, 2 XR)
 - Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
 - 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
 - 701/3 .Aeronautical vehicle
 - 701/14 ..Flight condition indicating system
- 2 701/226 (0 OR, 2 XR)
 - Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
 - 701/200 NAVIGATION
 - 701/226 .Space orbits or paths
- 2 701/23 (0 OR, 2 XR)
 - Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
 - 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
 - 701/23 .Automatic route guidance vehicle
- 2 701/26 (1 OR, 1 XR)
 - Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
 - 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
 - 701/23 .Automatic route guidance vehicle
 - 701/25 ..Storage or planning of route information
 - 701/26 ...Modification or correction of route

information

- 2 701/3 (2 OR, 0 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/3 .Aeronautical vehicle
- 2 701/300 (2 OR, 0 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/300 RELATIVE LOCATION
- 2 702/149 (1 OR, 1 XR)
Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR
TESTING
702/127 MEASUREMENT SYSTEM
702/142 .Speed
702/149 ..By distance and time measurement
- 2 704/275 (0 OR, 2 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/270 .Application
704/275 ..Speech controlled system
- 2 707/102 (1 OR, 1 XR)
Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT OR DATA STRUCTURES
707/100 DATABASE SCHEMA OR DATA STRUCTURE
707/102 .Generating database or data structure (e.g.,
via user interface)
- 2 707/200 (0 OR, 2 XR)
Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT OR DATA STRUCTURES
707/200 FILE OR DATABASE MAINTENANCE
- 2 709/217 (0 OR, 2 XR)
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
709/200 MULTICOMPUTER DATA TRANSFERRING
709/217 .Remote data accessing
- 2 709/218 (0 OR, 2 XR)
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
709/200 MULTICOMPUTER DATA TRANSFERRING
709/217 .Remote data accessing
709/218 ..Using interconnected networks
- 2 709/224 (2 OR, 0 XR)
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING
709/223 .Computer network managing
709/224 ..Computer network monitoring

2 713/201 (2 OR, 0 XR)
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
 SYSTEMS: SUPPORT
713/200 SECURITY
713/201 .Computer network

Most Frequently Occurring Classifications of Patents Returned
From A Search of 09987795 on September 25, 2003

Original Classifications

13	701/207
13	701/208
13	701/213
10	701/209
9	701/200
8	701/201
7	701/210
6	701/211
5	340/988
5	342/357.08
5	701/117
3	340/995.16
3	342/357.02
3	342/357.06
3	342/357.07
3	342/357.1
3	701/202
3	701/214
3	701/216
2	209/3.3
2	318/587
2	340/10.41
2	340/573.4
2	340/961
2	340/995.12
2	340/995.13
2	340/995.14
2	342/357.09
2	342/457
2	360/48
2	360/77.08
2	367/6
2	370/515
2	455/456.2
2	455/457
2	455/557
2	701/203
2	701/3
2	701/300
2	701/301
2	707/2
2	709/224
2	713/201

Cross-Reference Classifications

51	340/990
43	701/208
33	340/988
32	701/213
25	701/209
23	701/200
23	701/211

18 701/207
17 701/210
12 701/212
11 342/357.06
11 342/357.13
11 342/457
11 701/201
10 340/995.19
9 73/178R
9 340/991
9 342/357.09
8 342/357.01
7 342/357.1
7 701/214
6 340/825.49
6 340/989
6 340/995.18
6 340/995.21
6 340/995.23
6 342/357.08
6 342/44
6 701/206
6 701/35
5 701/215
5 701/217
4 340/995.2
4 342/450
4 701/1
4 701/25
4 701/36
3 116/1
3 235/385
3 280/1
3 340/539.1
3 340/539.13
3 340/905
3 340/993
3 340/994
3 340/995.1
3 340/995.13
3 340/995.22
3 340/995.24
3 340/995.26
3 340/995.27
3 342/357.14
3 342/36
3 342/451
3 342/455
3 358/402
3 360/77.04
3 360/77.08
3 455/456.1
3 700/230
3 701/117
3 701/202
3 701/203
3 701/204

3 701/205
3 701/221
3 701/24
3 701/301
2 198/349.95
2 198/465.4
2 209/564
2 209/583
2 209/937
2 340/10.1
2 340/10.41
2 340/10.42
2 340/3.51
2 340/425.5
2 340/5.5
2 340/693.5
2 340/979
2 340/992
2 340/995.14
2 340/995.16
2 340/995.17
2 340/996
2 342/147
2 342/29
2 342/357.05
2 342/419
2 342/42
2 342/452
2 342/454
2 342/456
2 342/49
2 342/50
2 342/51
2 345/557
2 360/78.14
2 370/409
2 370/471
2 370/493
2 370/494
2 370/495
2 379/38
2 455/12.1
2 455/457
2 455/569.2
2 455/99
2 700/224
2 701/14
2 701/226
2 701/23
2 704/270
2 704/275
2 707/200
2 709/217
2 709/218

Combined Classifications

56 701/208

51 340/990
45 701/213
38 340/988
35 701/209
32 701/200
31 701/207
29 701/211
24 701/210
19 701/201
14 342/357.06
13 342/457
13 701/212
12 342/357.13
11 342/357.08
11 342/357.09
10 73/178R
10 340/991
10 340/995.19
10 342/357.1
10 701/214
9 342/357.01
8 701/117
7 340/989
7 340/995.18
7 340/995.21
6 340/825.49
6 340/995.23
6 342/44
6 701/202
6 701/206
6 701/35
5 340/995.13
5 340/995.16
5 360/77.08
5 701/1
5 701/203
5 701/215
5 701/217
5 701/25
5 701/301
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4 340/995.27
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4 342/357.14
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4 342/451
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4 701/204
4 701/216
4 701/36

3 116/1
3 235/385
3 280/1
3 318/587
3 340/10.1
3 340/425.5
3 340/539.1
3 340/539.13
3 340/993
3 340/995.1
3 340/995.12
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3 340/995.24
3 340/995.26
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3 342/357.02
3 342/357.05
3 342/42
3 342/455
3 342/51
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2 209/937
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2 709/218
2 709/224
2 713/201

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